

# Agents of Bioterrorism: Preparedness Training for Sentinel Laboratories



## State Laboratory Institute Boston, MA



### 2006 Schedule

January 11  
January 27  
February 22  
March 15  
March 31  
April 26  
May 26  
June 21  
September 8  
September 20  
October 13  
November 3  
November 17

### Program Site

State Laboratory Institute  
305 South Street.  
Boston (Jamaica Plain), MA 02130-3597  
Limited off-site parking, public transportation is recommended.

Transportation and driving directions are on the SLI Website.

[www.mass.gov/dph/bls/dir/glocat.htm](http://www.mass.gov/dph/bls/dir/glocat.htm)

### Registration Information

There is no fee for this program.

- Registration deadline is one week before each program.
- Register online at: [www.nltm.org/227-06](http://www.nltm.org/227-06)  
Use promotional code **MABT** in the payment information area.  
*If you have difficulty with the online registration process, please call 617-983-6285.*
- Upon receipt of your registration, confirmation letters will be emailed.

### Continuing Education Credit

The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. Participants who successfully complete this program will be awarded 5 contact hours.

*Sponsored by:*



State Laboratory Institute  
Massachusetts Department of Public Health  
National Laboratory Training Network

# Agents of Bioterrorism: Preparedness Training for Sentinel Laboratories

## Program Description

This one-day, advanced-level program is designed for the microbiologist with at least 5 years of clinical experience. It will provide an overview of the clinical laboratory's role in the presumptive identification of primary agents of bioterrorism including anthrax, plague, tularemia, brucellosis, glanders and melioidosis. Laboratory demonstrations will outline the microbiology of these agents so that participants can recognize the culture, staining and biochemical characteristics. The safety implications of handling suspected organisms in clinical isolates and culture and suspected toxins will be emphasized.

## Faculty

### **Peter Belanger, BS, MT(ASCP)**

Director, Reference Laboratory  
State Laboratory Institute

### **Lori Cavaleri, CVT**

LRN Laboratory Coordinator  
State Laboratory Institute

### **Tara Doran, BS**

Bioterrorism Response Laboratory  
State Laboratory Institute

### **Cheryl Gauthier, BS, MA, MT(ASCP, NCA)**

Director, Bioterrorism Response Laboratory  
State Laboratory Institute

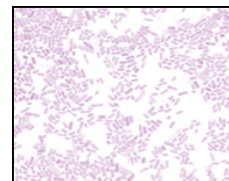
### **Tanya Rivera, MT(NCA)**

Supervisor, Bioterrorism Response Laboratory  
State Laboratory Institute

## Agenda

- 8:30 Registration**
- 9:00 Introduction to Bioterrorism**
- 9:30 Laboratory Response Network**
- 9:45 Bioterrorism Response Laboratory**
- 10:15 Biosafety in the Sentinel Laboratory**
- 10:45 Agents of Bioterrorism**
  - Bacillus anthracis* (Anthrax)
  - Brucella species* (Brucellosis)
  - Francisella tularensis* (Tularemia)
  - Yersinia pestis* (Plague)
  - Variola major* (Smallpox)
- 11:45 Group Lunch**
- 12:30 Agents of Bioterrorism (Cont'd)**
  - Burkholderia mallei* (Glanders)
  - Burkholderia pseudomallei* (Melioidosis)
  - Ricinus communis* (Ricin toxin)
  - Clostridium botulinum* (Botulism toxin)
- 1:30 Laboratory Wet Workshop**
- 2:45 Summary and Evaluation**
- 3:00 Adjourn**

*\* Please Note:  
Disposable laboratory coats,  
masks and gloves will be  
provided but appropriate  
laboratory shoes and attire  
are required.*



## Special Needs and Information

In compliance with the Americans with Disabilities Act, individuals needing special accommodations should notify Garry R. Greer at least two weeks prior to the course. For more information call: 617-983-6608.

## Objectives

*At the completion of this program participants will be able to:*

- Discuss the role of the clinical laboratorian in the presumptive identification of organisms and toxins targeted for use in bioterrorism.
- Explain the safety implications of handling suspected organisms in clinical specimens and isolates.
- Describe the laboratory features of the primary agents likely to be involved in a bioterrorist event including anthrax, plague, tularemia, brucellosis and melioidosis.
- Recognize culture, staining and biochemical characteristics of critical agents.
- Outline the process for contacting appropriate personnel and transporting suspected organisms to the State Laboratory Institute, Massachusetts Department of Public Health.
- Describe the laboratory requirements related to collecting and submitting the appropriate specimens suspected of containing smallpox, ricin or botulism.

**The National Laboratory Training Network** is a training system sponsored by the Association of Public Health Laboratories (APHL) and the Centers for Disease Control and Prevention (CDC).